



## Taghleef Industries S.p.A.

### STATEMENT OF COMPLIANCE WITH FOOD CONTACT REGULATIONS

**D561 LCT LIC LNS LTS SFT THF THT**  
**TLF TLS TNK TNF TNS TSH TSS TPT**

**Taghleef Industries S.p.A.** declares that the above listed bioriented polypropylene films, when leaving the factory, have a composition that complies with the following requirements for food contact applications:

**1. EUROPEAN UNION:** Regulation (EC) No. 1935/2004 and Regulation (EU) No. 10/2011 (including its amendments up to Regulation (EU) 831/2018). Monomers, additives and other starting substances are listed in the Annex I of the Regulation (EU) No. 10/2011. Migration tests, carried out following the Regulation (EU) No. 10/2011 (simulants A, B, D2 at the condition of 10 days at 40°C), confirm an Overall migration results below to 10 mg/dm<sup>2</sup> (as reported here below):

Simulant A (mg/dm <sup>2</sup> )	Simulant B (mg/dm <sup>2</sup> )	Simulant D2 (mg/dm <sup>2</sup> )
<1	2.2	<2

Overall migration test, made in simulants A, B and D2 at the condition of 2 hours at 100°C, confirm values within law limit.

The above listed films can contain some substances for which a specific migration limit (SML) is established. Specific migration has been evaluated in compliance with Regulation (EU) No. 10/2011 in a theoretical (assuming that 1 Kg of food is packaged with 6 dm<sup>2</sup> of film) or, if necessary, in experimental way (simulants A, B and D2 for 10 days at 60°C). Herewith we report the analysis' results.

SML substances	Simulant A (mg/Kg)	Simulant B (mg/Kg)	Simulant D2 (mg/Kg)
FCM Nr: 19 Ref Nr: 39090 + FCM Nr: 20 REF Nr: 39120  SML(T): 1.2 mg/Kg	<0.1	0.63	0.70 <sup>(1)</sup>
FCM Nr: 433 CAS Nr: 2082-79-3 Ref Nr: 68320 SML: 6.0 mg/Kg	<1	<1	<1
FCM Nr: 587 CAS Nr.: 10094-45-8 PM Ref.: 68400 SML: 5 mg/Kg	<1	<1	<1
FCM Nr: 652 CAS Nr:26741-53-7 Ref Nr: 38820 SML: 0.6 mg/Kg	<0.1	<0.1	<0.1
FCM Nr: 779 CAS Nr: 182121-12-6 Ref Nr: 39815 SML: 0.05 mg/Kg	<0.02	<0.02	<0.02
Aluminium SML: 1 mg/Kg	<0.1	<0.1	<0.1
Zinc SML: 5 mg/Kg	<1	<1	<1

<sup>(1)</sup>The used simulant is ethanol 95%

The above listed films can contain some other substances for which a specific migration limit (SML) is established. For these substances the SML will not be exceeded even to a maximum film thickness of 300 µm (assuming that 1 Kg of food is packaged with 6 dm<sup>2</sup> of film):

FCM Nr: 156 CAS Nr: 80-62-6 Ref Nr: 21130 SML(T): 6.0 mg/kg (expressed as methacrylic acid)  
 FCM Nr: 157 CAS Nr: 84-74-2 Ref Nr: 74880 SML : 0.3 mg/kg



FCM Nr: 185	CAS Nr: 97-90-5	Ref Nr: 20440	SML : 0.05	mg/kg
FCM Nr: 234	CAS Nr: 108-31-6	Ref Nr: 19960	SML(T): 30	mg/Kg (expressed as Maleic Acid)
FCM Nr: 283	CAS Nr: 117-81-7	Ref Nr: 74640	SML : 1.5	mg/Kg
FCM Nr: 500	CAS Nr: 7128-64-5	Ref Nr: 38560	SML : 0.6	mg/kg
FCM Nr: 661	CAS Nr: 27676-62-6	Ref Nr: 95360	SML : 5.0	mg/Kg
FCM Nr: 760	CAS Nr: 119345-01-6	Ref Nr: 83595	SML : 18	mg/Kg
FCM Nr: 763	CAS Nr: 129228-21-3	Ref Nr: 39925	SML : 0.05	mg/Kg
FCM Nr: 783	CAS Nr: 736150-63-3	Ref Nr: 55910	SML(T): 60	mg/Kg

In accordance with Regulation (EC) No. **1935/2004** Art. 17 Taghleef Industries S.p.A. has implemented an appropriate system which allows the traceability of TI S.p.A. films up to the single reel.

In accordance with Regulation (EC) No. **2023/2006** TI S.p.A. films are manufactured in compliance with general rules on good manufacturing practice (GMP).

**2. ITALY:** D.P.R. 777/82 and D.M. 21.3.1973 and following modifications of Italian Law up to the present date.

**3. DUAL USE ADDITIVES:** The following dual use additives subject to restriction in food as defined in Regulation (EC) No. 1333/2008 and Regulation (EU) No. 10/2011 are present in the above mentioned film:

- Citric Acid E330
- Polyoxyethylene sorbitan monostearate E435
- Sodium, potassium and calcium salts of fatty acids E470a
- Magnesium salts of fatty acids E470b
- Mono and diglycerides of fatty acid E471
- Polyglycerols esters of fatty acid E475
- Silicon dioxide E551

Their migration is lower than the overall migration reported at point 1

**4. HEAVY METALS:** Directive (EC) No. 94/62 (including its amendments up to Directive (EU) 2013/2) and D.L. No.152/2006. Lead, Cadmium, Mercury, Chrome Hexavalent are not intentionally added on the films. TI S.p.A. films have a total heavy metal content, due to incidental sum of concentration, lower than 100 ppm.

**5. BADGE, BFDGE AND NOGE:** Regulation (EC) No. 1895/2005. The following substances: BADGE, BFDGE, NOGE are not intentionally used in the manufacture or formulation of TI S.p.A. films.

**6. ALLERGENS:** The substances listed on the Annex II of the Regulation (EU) No 1169/2011 are not intentionally used in the manufacture or formulation of TI S.p.A. films.

**7. PHTHALATES:** Phthalates are not intentionally added in the above mentioned films. However DIBP, together with impurities of DBP, DEHP, DEP and ethyl isobutyl phthalate, is a minor component of the catalyst system (technical support agent) used to manufacture some of the base polyolefin resins used for BOPP production; maximum residuals are no more than 15 ppm.

**8. OTHER SUBSTANCES:** Taghleef Industries S.p.A. declares that in the recipes of films TI S.p.A. are not intentionally added the substances listed below:

Acetylacetone	Biocides	Formaldehyde	PFOA/PFOS
Acrylamide	<b>Bisphenol A</b>	ITX	<b>PVC/PVDC</b>
Aromatic amines	CMR substances	Latex	Triclosan
Asbestos	Dimethyl fumarate	Melamine	Vinyl chloride
Azocolorants	Dioxins and furans	Nanoparticles	
Benzophenone	ESBO	Nonylphenol and nonylphenol ethoxylate	
BHA, BHT	Flame retardants	Organotin compounds	

**9. USA:** The above listed films are suitable for use in food contact applications in compliance with applicable U.S. FDA food packaging regulations. Specifically, the raw materials used in the composition of the subject TI products are in compliance with the requirements of Title 21 of the U.S. Code of Federal Regulations 21 CFR 177.1520 (c) 1.1a, 3.1a, 3.2a and other applicable regulations in 21 CFR referenced therein.



**10. RECYCLABILITY:** TI S.p.A. films are suitable for recycling and can be effectively disposed of through incineration. Full combustion of polypropylene yields almost entirely carbon dioxide and water. Waste reduction by energy recovery yields 24 MJ/Kg polypropylene.



*Customers must check that their use of our films is safe and technically suitable in their applications. The final item producer is responsible for the evaluation of global/specific migration at the real time/temperature conditions.*

*This document is in compliance with the art. 16 of Reg. 1935/2004/EC and it is specifically made for Taghleef Industries S.p.A. customers.*

*Declaration is valid starting from the below issue date, and will be modified in the case of significant modification in our products formula structure or in the case of legislation amendments.*

*The Customer has the responsibility to check periodically the update of the present document.*

*Film guarantee: please refer to the product specification.*

Standard Transparent Products			
Revision: 14.08.2018	Issued by: Quality Assurance Simone Tacco 	Approved by: Quality & Development Manager Francesca Piasente 	Page 3 of 3

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